



11-25-03

1623

NOV 24 2003

RECEIPT NO.: ISIS-4789

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Muthiah Manoharan, et al.

Confirmation No.: 3195

Application No.: 09/970,971

Group Art Unit: 1623

Filing Date: October 4, 2001

Examiner: Howard V. Owens, Jr.

For: OLIGONUCLEOTIDES HAVING A-DNA FORM AND B-DNA FORM
CONFORMATIONAL GEOMETRY

EXPRESS MAIL LABEL NO: EV325643145US
DATE OF DEPOSIT: November 24, 2003

EV325643145US)

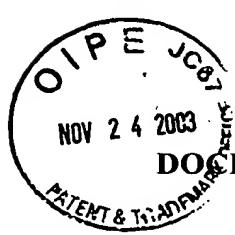
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or



DOCKET NO.: ISIS-4789

- 2 -

PATENT

before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with the first or second After Final Submission, therefore:
 - Certification in Accordance with § 1.97(e) is attached; or
 - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:
 - Certification in Accordance with § 1.97(e) is attached; or
 - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).
- Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.



DOCKET NO.: ISIS-4789

- 3 -

PATENT

- Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:

- In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
- Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No.

, filed

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Enclosed is a copy of the EPO Partial Search Report dated October 27, 2003 (number 248 on Form PTO-1449), which indicates the references considered to be relevant.



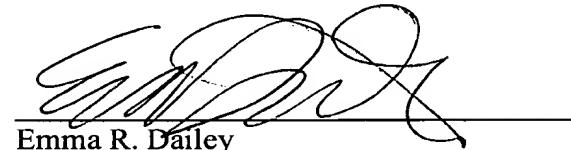
DOCKET NO.: ISIS-4789

- 4 -

PATENT

- The relevance of those listed references which are not in the English language is as follows:
- There are no listed references which are not in the English language.

Date: November 24, 2003



Emma R. Dailey
Registration No. 48,491

WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

© 2003 WW



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-4789	Application No. 09/970,971
		Applicant Muthiah Manoharan, et al.	
		Filing Date October 4, 2001	Group 1623
		Confirmation No. 3195	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	248	Copy of the European Partial Search Report dated October 27, 2003 (EP 03 07 6286)	
	249	Czuchajowski, L., et al., "Porphyrinyl-uridines as the first water soluble porphyrinyl-nucleosides," <i>Tetrahedron Letters</i> , December 16, 1991 , 32, XP 000247164, pages 7511 and 7512	
	250	Goodchild, J., "Conjugates of oligonucleotides and modified oligonucleotides: a review of their synthesis and properties," <i>Bioconjugate Chemistry</i> , May/June 1990 , 1(3), 165-187	
	251	Manoharan, M., et al., "Novel functionalization of the sugar moiety of nucleic acids for multiple labeling in the minor groove," <i>Tetrahedron Letters</i> , 1991 , 32(49), 717-7174	
	252	Tung, C.-H., et al., "Preparation of oligonucleotide-peptide conjugates," <i>Bioconjugate Chemistry</i> , November/December 1991 , 2(6), XP 000235497, 464-465	
EXAMINER		DATE CONSIDERED	

